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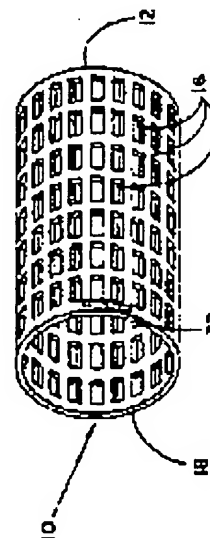
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(54) EXPANSIVE STENT

(57)Abstract:

PURPOSE: To provide a stent kept soft and flexible at the time of insertion and capable of having proper rigidity after being arranged at a treated position.

CONSTITUTION: This stent 10 to be arranged in a body cavity contains a wall structure having a hollow wall at least partially. A hydrophilic material 32 swollen when a liquid is introduced into the hollow wall and expanding the hollow wall is arranged in the hollow wall, and the material 32 may be gelatinous, for example. The hollow wall arranged with the hydrophilic material 32 in it is made of a semi-permeable membrane, the body fluid from the peripheral tissue of the stent 10 located at the arranged portion penetrates the membrane to swell the hydrophilic material 32, and the hollow wall is expanded. A medicine to be discharged through the membrane may be arranged at the stent arranged position together with the hydrophilic material 32. The whole wall structure of the stent 10 may be the hollow wall, or both a hollow portion and a non-hollow wall portion, e.g. braided, woven, or wound hollow fibers 26 and solid fibers 28, may be contained in the wall structure.



LEGAL STATUS

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